

RAW SEQUENCE LISTING
PATENT APPLICATION US/08/980,400DATE: 06/17/1999
TIME: 16:02:54

INPUT SET: S32235.raw

This Raw Listing contains the General
Information Section and up to the first 5 pages.

SEQUENCE LISTING

(1) General Information:

(i) APPLICANT: Sledziwski Ph.D., Andrzej Z
Bell, Lillian A.
Kindsvogel Ph.D., Wayne R.

ENTERED

(ii) TITLE OF INVENTION: METHODS OF PRODUCING SECRETED RECEPTOR ANALOGS AND BIO

(iii) NUMBER OF SEQUENCES: 36

(iv) CORRESPONDENCE ADDRESS:

(A) ADDRESSEE: Seed and Berry
(B) STREET: 6300 Columbia Center, 701 Fifth Avenue
(C) CITY: Seattle
(D) STATE: WA
(E) COUNTRY: USA
(F) ZIP: 98104-7092

(v) COMPUTER READABLE FORM:

(A) MEDIUM TYPE: Floppy disk
(B) COMPUTER: IBM PC compatible
(C) OPERATING SYSTEM: PC-DOS/MS-DOS
(D) SOFTWARE: PatentIn Release #1.24

(vi) CURRENT APPLICATION DATA:

(A) APPLICATION NUMBER: 08/980,400
(B) FILING DATE:
(C) CLASSIFICATION:

(vii) PRIOR APPLICATION DATA:

(A) APPLICATION NUMBER: US 08/477,329
(B) FILING DATE: 07-JUN-1995

(viii) ATTORNEY/AGENT INFORMATION:

(A) NAME: Maki, David J.
(B) REGISTRATION NUMBER: 31,392
(C) REFERENCE/DOCKET NUMBER: 990008.446C6

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47 (2) INFORMATION FOR SEQ ID NO:1:

48

49 (i) SEQUENCE CHARACTERISTICS:

50 (A) LENGTH: 4465 base pairs

51 (B) TYPE: nucleic acid

52 (C) STRANDEDNESS: double

53 (D) TOPOLOGY: linear

54

55 (ii) MOLECULE TYPE: cDNA

56

57 (iii) HYPOTHETICAL: N

58

59 (iv) ANTI-SENSE: N

60

61 (vi) ORIGINAL SOURCE:

62 (A) ORGANISM: Homo sapiens

63 (D) DEVELOPMENTAL STAGE: Adult

64 (F) TISSUE TYPE: Skin

65 (G) CELL TYPE: fibroblasts

66

67 (vii) IMMEDIATE SOURCE:

68 (B) CLONE: pR-rX1

69

70 (ix) FEATURE:

71 (A) NAME/KEY: CDS

72 (B) LOCATION: 354..3671

73 (D) OTHER INFORMATION:

74

75

76 (xi) SEQUENCE DESCRIPTION: SEQ ID NO:1:

77

78 CCCTCAGCCC TGCTGCCCAG CACGAGCCTG TGCTCGCCCT GCCCAACGCA GACAGCCAGA 60

79

80 CCCAGGGCGG CCCCTCTGGC GGCTCTGCTC CTCCCGAAGG ATGCTTGGGG AGTGAGGCGA 120

81

82 AGCTGGGCGC TCCTCTCCCC TACAGCAGCC CCCTTCCTCC ATCCCTCTGT TCTCCTGAGC 180

83

84 CTTCAGGAGC CTGCACCACT CCTGCCTGTC CTTCTACTCA GCTGTTACCC ACTCTGGGAC 240

85

86 CAGCAGTCTT TCTGATAACT GGGAGAGGGC AGTAAGGAGG ACTTCCTGGA GGGGGTGACT 300

87

88 GTCCAGAGCC TGGAAGTGTG CCCACACCAG AAGCCATCAG CAGCAAGGAC ACC ATG 356

89

Met

90

1

91

92 CGG CTT CCG GGT GCG ATG CCA GCT CTG GCC CTC AAA GGC GAG CTG CTG 404

93

93 Arg Leu Pro Gly Ala Met Pro Ala Leu Ala Leu Lys Gly Glu Leu Leu

94

5

10

15

95

96 TTG CTG TCT CTC CTG TTA CTT CTG GAA CCA CAG ATC TCT CAG GGC CTG 452

97

97 Leu Leu Ser Leu Leu Leu Leu Leu Glu Pro Gln Ile Ser Gln Gly Leu

98

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25

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100	GTC	GTC	ACA	CCC	CCG	GGG	CCA	GAG	CTT	GTC	CTC	AAT	GTC	TCC	AGC	ACC	500
101	Val	Val	Thr	Pro	Pro	Gly	Pro	Glu	Leu	Val	Leu	Asn	Val	Ser	Ser	Thr	
102		35				40						45					
103																	
104	TTC	GTT	CTG	ACC	TGC	TCG	GGT	TCA	GCT	CCG	GTG	GTG	TGG	GAA	CGG	ATG	548
105	Phe	Val	Leu	Thr	Cys	Ser	Gly	Ser	Ala	Pro	Val	Val	Trp	Glu	Arg	Met	
106	50					55					60					65	
107																	
108	TCC	CAG	GAG	CCC	CCA	CAG	GAA	ATG	GCC	AAG	GCC	CAG	GAT	GGC	ACC	TTC	596
109	Ser	Gln	Glu	Pro	Pro	Gln	Glu	Met	Ala	Lys	Ala	Gln	Asp	Gly	Thr	Phe	
110				70						75					80		
111																	
112	TCC	AGC	GTG	CTC	ACA	CTG	ACC	AAC	CTC	ACT	GGG	CTA	GAC	ACG	GGA	GAA	644
113	Ser	Ser	Val	Leu	Thr	Leu	Thr	Asn	Leu	Thr	Gly	Leu	Asp	Thr	Gly	Glu	
114				85					90					95			
115																	
116	TAC	TTT	TGC	ACC	CAC	AAT	GAC	TCC	CGT	GGA	CTG	GAG	ACC	GAT	GAG	CGG	692
117	Tyr	Phe	Cys	Thr	His	Asn	Asp	Ser	Arg	Gly	Leu	Glu	Thr	Asp	Glu	Arg	
118			100					105					110				
119																	
120	AAA	CGG	CTC	TAC	ATC	TTT	GTG	CCA	GAT	CCC	ACC	GTG	GGC	TTC	CTC	CCT	740
121	Lys	Arg	Leu	Tyr	Ile	Phe	Val	Pro	Asp	Pro	Thr	Val	Gly	Phe	Leu	Pro	
122		115					120					125					
123																	
124	AAT	GAT	GCC	GAG	GAA	CTA	TTC	ATC	TTT	CTC	ACG	GAA	ATA	ACT	GAG	ATC	788
125	Asn	Asp	Ala	Glu	Glu	Leu	Phe	Ile	Phe	Leu	Thr	Glu	Ile	Thr	Glu	Ile	
126	130					135					140					145	
127																	
128	ACC	ATT	CCA	TGC	CGA	GTA	ACA	GAC	CCA	CAG	CTG	GTG	GTG	ACA	CTG	CAC	836
129	Thr	Ile	Pro	Cys	Arg	Val	Thr	Asp	Pro	Gln	Leu	Val	Val	Thr	Leu	His	
130					150					155					160		
131																	
132	GAG	AAG	AAA	GGG	GAC	GTT	GCA	CTG	CCT	GTC	CCC	TAT	GAT	CAC	CAA	CGT	884
133	Glu	Lys	Lys	Gly	Asp	Val	Ala	Leu	Pro	Val	Pro	Tyr	Asp	His	Gln	Arg	
134				165					170					175			
135																	
136	GGC	TTT	TCT	GGT	ATC	TTT	GAG	GAC	AGA	AGC	TAC	ATC	TGC	AAA	ACC	ACC	932
137	Gly	Phe	Ser	Gly	Ile	Phe	Glu	Asp	Arg	Ser	Tyr	Ile	Cys	Lys	Thr	Thr	
138			180					185					190				
139																	
140	ATT	GGG	GAC	AGG	GAG	GTG	GAT	TCT	GAT	GCC	TAC	TAT	GTC	TAC	AGA	CTC	980
141	Ile	Gly	Asp	Arg	Glu	Val	Asp	Ser	Asp	Ala	Tyr	Tyr	Val	Tyr	Arg	Leu	
142		195					200					205					
143																	
144	CAG	GTG	TCA	TCC	ATC	AAC	GTC	TCT	GTG	AAC	GCA	GTG	CAG	ACT	GTG	GTC	1028
145	Gln	Val	Ser	Ser	Ile	Asn	Val	Ser	Val	Asn	Ala	Val	Gln	Thr	Val	Val	
146	210					215					220					225	
147																	
148	CGC	CAG	GGT	GAG	AAC	ATC	ACC	CTC	ATG	TGC	ATT	GTG	ATC	GGG	AAT	GAG	1076
149	Arg	Gln	Gly	Glu	Asn	Ile	Thr	Leu	Met	Cys	Ile	Val	Ile	Gly	Asn	Glu	
150					230					235					240		
151																	
152	GTG	GTC	AAC	TTC	GAG	TGG	ACA	TAC	CCC	CGC	AAA	GAA	AGT	GGG	CGG	CTG	1124

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153	Val	Val	Asn	Phe	Glu	Trp	Thr	Tyr	Pro	Arg	Lys	Glu	Ser	Gly	Arg	Leu	
154				245					250					255			
155																	
156	GTG	GAG	CCG	GTG	ACT	GAC	TTC	CTC	TTG	GAT	ATG	CCT	TAC	CAC	ATC	CGC	1172
157	Val	Glu	Pro	Val	Thr	Asp	Phe	Leu	Leu	Asp	Met	Pro	Tyr	His	Ile	Arg	
158			260					265					270				
159																	
160	TCC	ATC	CTG	CAC	ATC	CCC	AGT	GCC	GAG	TTA	GAA	GAC	TCG	GGG	ACC	TAC	1220
161	Ser	Ile	Leu	His	Ile	Pro	Ser	Ala	Glu	Leu	Glu	Asp	Ser	Gly	Thr	Tyr	
162			275					280					285				
163																	
164	ACC	TGC	AAT	GTG	ACG	GAG	AGT	GTG	AAT	GAC	CAT	CAG	GAT	GAA	AAG	GCC	1268
165	Thr	Cys	Asn	Val	Thr	Glu	Ser	Val	Asn	Asp	His	Gln	Asp	Glu	Lys	Ala	
166	290					295				300						305	
167																	
168	ATC	AAC	ATC	ACC	GTG	GTT	GAG	AGC	GGC	TAC	GTG	CGG	CTC	CTG	GGA	GAG	1316
169	Ile	Asn	Ile	Thr	Val	Val	Glu	Ser	Gly	Tyr	Val	Arg	Leu	Leu	Gly	Glu	
170				310						315					320		
171																	
172	GTG	GGC	ACA	CTA	CAA	TTT	GCT	GAG	CTG	CAT	CGG	AGC	CGG	ACA	CTG	CAG	1364
173	Val	Gly	Thr	Leu	Gln	Phe	Ala	Glu	Leu	His	Arg	Ser	Arg	Thr	Leu	Gln	
174				325					330					335			
175																	
176	GTA	GTG	TTC	GAG	GCC	TAC	CCA	CCG	CCC	ACT	GTC	CTG	TGG	TTC	AAA	GAC	1412
177	Val	Val	Phe	Glu	Ala	Tyr	Pro	Pro	Pro	Thr	Val	Leu	Trp	Phe	Lys	Asp	
178			340					345					350				
179																	
180	AAC	CGC	ACC	CTG	GGC	GAC	TCC	AGC	GCT	GGC	GAA	ATC	GCC	CTG	TCC	ACG	1460
181	Asn	Arg	Thr	Leu	Gly	Asp	Ser	Ser	Ala	Gly	Glu	Ile	Ala	Leu	Ser	Thr	
182			355					360					365				
183																	
184	CGC	AAC	GTG	TCG	GAG	ACC	CGG	TAT	GTG	TCA	GAG	CTG	ACA	CTG	GTT	CGC	1508
185	Arg	Asn	Val	Ser	Glu	Thr	Arg	Tyr	Val	Ser	Glu	Leu	Thr	Leu	Val	Arg	
186	370					375					380					385	
187																	
188	GTG	AAG	GTG	GCA	GAG	GCT	GGC	CAC	TAC	ACC	ATG	CGG	GCC	TTC	CAT	GAG	1556
189	Val	Lys	Val	Ala	Glu	Ala	Gly	His	Tyr	Thr	Met	Arg	Ala	Phe	His	Glu	
190				390					395					400			
191																	
192	GAT	GCT	GAG	GTC	CAG	CTC	TCC	TTC	CAG	CTA	CAG	ATC	AAT	GTC	CCT	GTC	1604
193	Asp	Ala	Glu	Val	Gln	Leu	Ser	Phe	Gln	Leu	Gln	Ile	Asn	Val	Pro	Val	
194				405					410					415			
195																	
196	CGA	GTG	CTG	GAG	CTA	AGT	GAG	AGC	CAC	CCT	GAC	AGT	GGG	GAA	CAG	ACA	1652
197	Arg	Val	Leu	Glu	Leu	Ser	Glu	Ser	His	Pro	Asp	Ser	Gly	Glu	Gln	Thr	
198			420					425					430				
199																	
200	GTC	CGC	TGT	CGT	GGC	CGG	GGC	ATG	CCC	CAG	CCG	AAC	ATC	ATC	TGG	TCT	1700
201	Val	Arg	Cys	Arg	Gly	Arg	Gly	Met	Pro	Gln	Pro	Asn	Ile	Ile	Trp	Ser	
202			435				440					445					
203																	
204	GCC	TGC	AGA	GAC	CTC	AAA	AGG	TGT	CCA	CGT	GAG	CTG	CCG	CCC	ACG	CTG	1748
205	Ala	Cys	Arg	Asp	Leu	Lys	Arg	Cys	Pro	Arg	Glu	Leu	Pro	Pro	Thr	Leu	

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DATE: 06/17/1999
TIME: 16:02:56

INPUT SET: S32235.raw

	450		455		460		465	
206								
207								
208	CTG GGG AAC AGT TCC GAA GAG GAG AGC CAG CTG GAG ACT AAC GTG ACG							1796
209	Leu Gly Asn Ser Ser Glu Glu Glu Ser Gln Leu Glu Thr Asn Val Thr							
210			470			475		480
211								
212	TAC TGG GAG GAG GAG CAG GAG TTT GAG GTG GTG AGC ACA CTG CGT CTG							1844
213	Tyr Trp Glu Glu Glu Gln Glu Phe Glu Val Val Ser Thr Leu Arg Leu							
214			485			490		495
215								
216	CAG CAC GTG GAT CGG CCA CTG TCG GTG CGC TGC ACG CTG CGC AAC GCT							1892
217	Gln His Val Asp Arg Pro Leu Ser Val Arg Cys Thr Leu Arg Asn Ala							
218			500			505		510
219								
220	GTG GGC CAG GAC ACG CAG GAG GTC ATC GTG GTG CCA CAC TCC TTG CCC							1940
221	Val Gly Gln Asp Thr Gln Glu Val Ile Val Val Pro His Ser Leu Pro							
222			515			520		525
223								
224	TTT AAG GTG GTG GTG ATC TCA GCC ATC CTG GCC CTG GTG GTG CTC ACC							1988
225	Phe Lys Val Val Val Ile Ser Ala Ile Leu Ala Leu Val Val Leu Thr							
226	530		535			540		545
227								
228	ATC ATC TCC CTT ATC ATC CTC ATC ATG CTT TGG CAG AAG AAG CCA CGT							2036
229	Ile Ile Ser Leu Ile Ile Leu Ile Met Leu Trp Gln Lys Lys Pro Arg							
230			550			555		560
231								
232	TAC GAG ATC CGA TGG AAG GTG ATT GAG TCT GTG AGC TCT GAC GGC CAT							2084
233	Tyr Glu Ile Arg Trp Lys Val Ile Glu Ser Val Ser Ser Asp Gly His							
234			565			570		575
235								
236	GAG TAC ATC TAC GTG GAC CCC ATG CAG CTG CCC TAT GAC TCC ACG TGG							2132
237	Glu Tyr Ile Tyr Val Asp Pro Met Gln Leu Pro Tyr Asp Ser Thr Trp							
238			580			585		590
239								
240	GAG CTG CCG CGG GAC CAG CTT GTG CTG GGA CGC ACC CTC GGC TCT GGG							2180
241	Glu Leu Pro Arg Asp Gln Leu Val Leu Gly Arg Thr Leu Gly Ser Gly							
242			595			600		605
243								
244	GCC TTT GGG CAG GTG GTG GAG GCC ACG GCT CAT GGC CTG AGC CAT TCT							2228
245	Ala Phe Gly Gln Val Val Glu Ala Thr Ala His Gly Leu Ser His Ser							
246	610		615			620		625
247								
248	CAG GCC ACG ATG AAA GTG GCC GTC AAG ATG CTT AAA TCC ACA GCC CGC							2276
249	Gln Ala Thr Met Lys Val Ala Val Lys Met Leu Lys Ser Thr Ala Arg							
250			630			635		640
251								
252	AGC AGT GAG AAG CAA GCC CTT ATG TCG GAG CTG AAG ATC ATG AGT CAC							2324
253	Ser Ser Glu Lys Gln Ala Leu Met Ser Glu Leu Lys Ile Met Ser His							
254			645			650		655
255								
256	CTT GGG CCC CAC CTG AAC GTG GTC AAC CTG TTG GGG GCC TGC ACC AAA							2372
257	Leu Gly Pro His Leu Asn Val Val Asn Leu Leu Gly Ala Cys Thr Lys							
258			660			665		670

PAGE: 1

SEQUENCE VERIFICATION REPORT
PATENT APPLICATION US/08/980,400

DATE: 06/17/1999
TIME: 16:02:56

INPUT SET: S32235.raw

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Original Text